THE TECH

VOL. XXIX. NO. 105. BOSTON, MASS., THURSDAY, MARCH 3, 1910 PRICE ONE CENT

NEW MUSICAL DIRECTOR IN CHARGE THIS YEAR

Albert M. Kanrich Is Coaching Principals And Chorus Of Show

Mr. Albert M. Kanrick, a man very widely known in the musical circles of New England, is teaching the chorus and principals of the Show how to sing. Although his headquarters were originally in Connecticut, where he needs no introduction, he has done a great deal in Massachusetts, and is now living in Boston, where he teaches the violin, together with musical theory and composition. He has an enviable reputation for such work and his arrangements of music for orchestras are sought for throughout the state. He formerly played in one of the well-known local orchestras for two years, when he was given the enviable position of conductor of the Boston municipal orchestra in which position he had charge of the training of soloists, etc.

But these successes are not by any means Mr. Kanrich's only claims to fame; his experience with amateurs in this vicinity is unique and invaluable to the Tech Show. He is well known to all Harvardites as the man who has made successes of the musical parts in their Hasty Pudding, Pi Eta, and Delta Upsilon shows for the past fifteen years. The Knights of Columbus have employed him for some time to assist them in the production of the unusual performances given by the respective lodges. He also staged the First Corps of Cadets Shows until they gave up amateur theatricals.

E. H. S. CLUB DINNER

Organization Votes To Uphold Institute Committee Rulings

Last evening the E. H. S. Club held a very enthusiastic meeting in the writing-room of the Union. About twenty men were present and following a pleasant dinner and several speeches, an active business meeting was held and extensive plans were made for a more energetic organization.

At the close of the dinner Mr. Lang, the president, explained that Mr. Thomas, Mr. Lebon, and Mr. Tower, all teachers at the High School, had been invited, but were unable to be present on account of illness. Mr. Barrows, also from the High School, was introduced, and after a few remarks of a humorous nature, he proposed a closer union between the men here at the Institute, and would-be Tech men at High School.

Mr. Humphreys' talk was largely reminiscent, but at the close, he stated his approval of Mr. Barrows' suggestion.

The club then took the matter under serious consideration, and it rapidly assumed definite form. The men were all in favor of some more definite association between the High School and the club here, and after considerable debate, it was agreed that the President should appoint a committee of three men, who should visit the High School for the purpose of organizing a club of the members of the two upper classes who intend to come to the Institute. Mr. Lang appointed Mr. Edward Stuart 1910, Mr. F. H. Busby 1912, and Mr. A. W. Kenney 1913.

It was further provided that delegates from this club should attend the din-

(Continued on page 3.)

LARGE ATTENDANCE AT C. E. SOCIETY MEETING

Interesting Lecture On Hydraulic Power Plants Illustrated By Stereopticon

The Civil Engineering society held a very successful meeting yesterday afternoon, there being over one hundred and fifty members present, as well as a large number of the faculty. After some preliminary business, President Waller introduced the speaker of the afternoon, Mr. H. L. Coburn '98, secretary and chief engineer of the Ambursen Hydraulic Construction Co.

Mr. Coburn began by telling in a general way of the steps to be taken when investigating a proposed dam and power plant site. The most important matter, of course, is the available water supply, and an extensive study of the amount of water flowing at all seasons of the year must be made. Inattention to this has caused the failure of a large number of hydraulic power plants. Next in importance is the site, with reference to length of dam required, and the foundation available; and also the provision of a good place for the power house.

In illustration of these and various other points, the rest of the lecture consisted of the discussion of a large number of lantern slides of various dams and power houses built by the Ambursen company. The first of these were of a proposed site in Oregon, where the power is to be developed from a river flowing between precipitous banks of hard volcanic rock. After a careful study of three different sites, the position finally decided upon involved the greatest length of dam but gained a great deal in cheapness of construction of the power house and penstocks.

Another case, that of a proposed dam across the Savannah River in Georgia, illustrated some of the difficulties which have to be overcome to meet some of the requirements of the War Department. A ship canal with three locks had to be provided at great expense to allow boats to pass by the dam. This dam also was unique in the fact that it had a passage longitudinally, large enough for two vehicles to pass each other, thereby avoiding the necessity of a bridge across the river.

Mr. Coburn took occasion at this time to speak of the so-called Water Power trust, which has been written up in some of the recent magazines. Mr. Coburn said that in his opinion there is no such trust in existence, and that it is improbable that there ever will be one. The stock in power plants owned by the various electric companies consists merely of that taken in part payment for equipment supplied.

One of the most interesting of the power plants shown was that now under construction on the Big Horn river in Wyoming. The river being in a narrow canyon, there is no available site for the power house on either bank. In this case all the machinery is placed inside of the dam itself, with the draft tubes leading directly from the face of the dam to the turbines, thereby eliminating a large amount of losses in head due to friction.

Mr. Coburn concluded his talk with a description of the dam at Ellsworth, Maine, which has recently been completed, and is one of the largest built by the Ambursen company in New England. An invitation was extended by Mr. Coburn to any member of the society, interested in this phase of engineering work, to call at the office of the company, where he can obtain a varied amount of information and literature on the subject.

INPORTANT MEASURES CONSIDERED IN DETAIL

Institute Committee Discusses Honor Society And Finance Commission

Three very important measures were put forward and adopted by the Institute Committee at its regular meeting yesterday evening. These were concerning the honor society, the finance scheme, and the frequency of meetings of the committee.

The chairman, R. F. Goodwin, Jr., 1910, appointed the following to investigate fully the question of an honor society before the next meeting of the committee: Frank Bell 1910, Bergen Reynolds 1910 and the chairman, ex-officio. The suggestion of an honor society was received very favorably by the senior class four years ago, but the matter was dropped with seemingly no other reason than negligence on the part of someone.

Inasmuch as the monthly meetings have proven too infrequent for the proper handling of the business of the Committee, the Constitution was changed so as to make the meetings come fortnightly on Wednesdays throughout the college year.

Now that the Committee is getting to have more direct authority, many of its members were not so willing to go on record as supporting the scheme for a Finance Committee any more than as a suggestion on account of the dissatisfaction over it. To cover the matter the following provision was made: A meet-

(Continued on page 3.)

TALK BY MR. WHITAKER

Organization Of Manufacture Subject Of First Lecture

Before an audience of 150 men, Mr. M. C. Whitaker, the General Superintendent of the Welsbach Company of Gloucester yesterday delivered the first of his series of three lectures on "Organization of Chemical Manufacture." Mr. Whitaker explained the extreme difficulty of getting ideas executed, and the necessity of perfect organization, in chemical as well as in all manufacturing lines, to make the proper execution of plans possible. He compared the organization of a company to the power plant of a factory, as all the machinery is valueless without the power plant, so also are the employees valueless without the organization.

The general executive management of the Welsbach Company, Mr. Whitaker divides into three departments: the manufacturing department, the sales department, and the auditing department. The sales department, while perhaps the least interesting to the chemists and engineers, is nevertheless absolutely essential. It is not generally recognized that this department offers a large field for college graduates, but it is a fact that well-trained men are better able to instruct the buyer as to the merits of goods, than are the old-time salesmen with their bags of jokes.

"I know of no manufacturing business which cannot make good use of a chemical engineer," said Mr. Whitaker in beginning the discussion of the manufacturing department. He explained the function of the chemist in devising new processes and in having them carried through correctly in the factory. It is not the chemist's place to stay in the

(Continued on page 4.)

"TWO KINDS OF TOWERS" TYPICAL OF REAL POWER

Dr. Gallaudet Of Central Church Gives Impressive Talk At T. C. A. Dinner

Last night the T. C. A. held its usual weekly dinner and talk. Mr. Mason said a few words concerning the next Wednesday evening's talk. He asked every one to be present and to bring along a friend. The meeting is to be be for the purpose of discussing the purposes and ideals of the association, to receive new members and to adopt a constitution.

After this, Mr. Mason introduced as the speaker of the evening, Dr. H. D. Gallaudet, the associate pastor of the Central Congregational church. Dr. Gallaudet took for his subject, "Two Kinds of Towers." He began by stating that he had been asked to talk on a subject relating to architecture but that he felt he was not expert enough to do this and so had chosen to speak of two towers. He took this subject from a story of two old men who lived in a seacoast town. One was the keeper of the lighthouse and his nightly prayer was to make men like a lighthouse tower which shone forth far into the night and lighted the earth around. The other brother was the sexton of the village church and his prayer was to make men like church towers which always pointed toward Heaven.

These were Dr. Gallaudet's two kinds of towers and he compared a man to them. He said a light must have three qualities: purity, because it will not burn unless the wick and oil are pure; power, because it must have power to throw its rays clear to the horizon; and cheerfulness to help and cheer every one it shines upon.

The cross was not only a symbol of outward sacrifice but also of inner and a church tower showed both of these because, while it had a cross outside, it also had one inside formed inside by the beams and rafters.

Dr. Gallaudet concluded his remarks by saying that in order to be a truly great tower one had to have a clear, ever-shining light and have a cross both inside and outside.

After these remarks, Mr. Mason again took the floor and once more asked every one to be present next Wednesday and then passed around some invitation cards and a circular letter which are also to be sent to those who have shown themselves interested in the T. C. A. work.

WIRELESS SOCIETY

A special meeting of the Wireless Society will be held in 11 Eng. B Friday at 4.00 P. M. A number of important measures are to be brought before the society for action. The proposed plans of the Institute Committee will also be taken up. All officers and committees will report, and the work accomplished will be discussed. Plans for enlarging the station have been suggested, and they will be gone over at this time.

CALENDAR.

Friday, March 4.

4.30—Meeting of Technique Board.
8.00—Union Entertainment. Professor George F. Swain will be the speaker.

Saturday, March 5.

3.00—Cross-country practice run from Gym.
8.00—Track: 1913 vs. Lowell Textile at Lowell.
8.00—Brookline H. S. Club at home of L. G. Glazier, Brookline.

THE TECH

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G. M. Keith 1912 .....Society Editor
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BOSTON, MASS., MARCH 3, 1910.

The Tech takes pleasure in announcing the election of Edgar Whittaker Taft 1913 to the News Staff.

COMMUNICATION

To the Editors of the Tech:

In regard to a paragraph in Tuesday's Tech: "Judging from the way some of the chairs have bee split and smashed they have been used as weapons." I would like to say that in the case of two chairs which have been broken, the devastation was purely accidental, and not with malice aforethought as the quotation implies. The gentleman who broke the chairs immediately notified the proper authority and requested that when repairs were made the bill should be sent to him. Since then he has heard nothing concerning the matter until the above mentioned article appeared in the Tech.

1911.

GENERAL NEWS

TELEGRAPH NEWS OF THE MORNING.

WEATHER REPORT.

Washington, Mar. 3.—Fair Thursday and Friday; moderate temperature; light west winds.

Boston, Feb. 29.—This week will be a busy one for the automobile dealers of Boston, for the automobile show will open in Mechanics' building next Saturday night. Between now and the opening hour, which has been fixed at 8 o'clock, the big building will be completely transformed into a garden of flowers, and every one of the numerous exhibits will be in place.

New York, Feb. 28.—To those interested in human flight, and that includes pretty nearly everybody, there is no question of greater moment than that of the Wright brothers' infringement claims against all other successful flying machines in the world.

The Ohio men have now obtained injunctions against the three leading models—the Curtiss, the Farman and the Bleriot—and pending final adjudication of their claims in the higher courts there is little doubt that restraining orders will be granted against other machines and other builders and flyers, if they shall ask for them.

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Boston, Mar. 2.—As the result of the recent disclosures in the Geo. W. Coleman case, in regard to faro and gambling, Dist. Atty. Pelletier this morning commenced one of the most searching probes in Suffolk County. The hearing was begun this afternoon in the grand jury room.

Everett, Wash., Mar. 3.—Sixty lives were lost here in Tuesday's avalanche which swept two Great Northern passenger trains at the west side of the Cascade tunnel down the mountain side. The cars fell 150 feet, and were buried by the debris.

Indianapolis, Ind., Mar. 3.—The department of superintendence of the National Education Association, in convention in this city, yesterday discussed specialization in education and the differences of mental attitude of school children.

New York, Mar. 3.—Four vessels, three of them steamships, crashed together in two collisions in the dense fog which prevailed outside Sandy Hook yesterday. None of the vessels was damaged to the sinking point, and no lives were lost.

WASHINGTON

Washington, Feb. 28.—Sometimes the naval engineers are willing to give the American inventor a chance and lead the way instead of following European ideas in shipbuilding. Today is is announced at the Navy Department that a trial would be made of the remarkable reduction gear invented by Messrs. Melville and Macalpin, the former late engineer-in-chief of the navy, and the latter chief draftsman for many years of the engineer bureau.

Orders have been given to install the reduction gear on collier No. 8, now building at the Maryland Steel Works, near Baltimore, with the understanding on the part of the contractors that if unsatisfactory it will be replaced by the usual type of reciprocating engine.

FOREIGN.

London, March 3.—The House of Commons at a short sitting yesterday authorized the Government to proceed with its loans and also the suspension of the sinking fund, for while the budget is held up it is impossible to collect the necessary income to carry on the departments.

Gondokoro, Soudan on the Upper Nile, Mar. 3.—News has been received here that Col. Roosevelt and party have arrived at Magnolia. They were enthusiastically received by the governor, who entertained them with a dance given by 1000 natives. The party planned to leave for Lake Wo this morning.

Paris, Mar. 3.—The continued rainfall has raised the level of the Seine to over 20 feet. The water is again pouring into the mouths of the sewers. The weather, however, is improving, and it is believed that it will not rise further.

Paris, Mar. 3.—President Fallieres yesterday personally called on Prince von Radolin, the German ambassador to France, and expressed condolences on the recet death of the ambassador's son. As this is the first visit a president of the republic has paid to the German Embassy since the Franco-Prussian War it has created much comment.

NEWS FROM THE COLLEGES

Nobyuo Masuda, a Japanese, is among the candidates for the Harvard baseball team who have been retaned for a thorough try-out. He is an all-around athlete. and has shown considerable promise in baseball.

New York University baseball practice is well under way. The indoor cage has been erected in the gymnasium and drill is held daily. Most of last year's team are still in college and it is claimed that there are many promising candidates in the freshman class.

Capt. Ferguson of Mechanic Arts High School track team will be out of the running for a while. His ankle and knee are in bad shape, but will probably be better for the schoolboy meet. If he should not be able to run the school will miss the points he would without doubt bring in.

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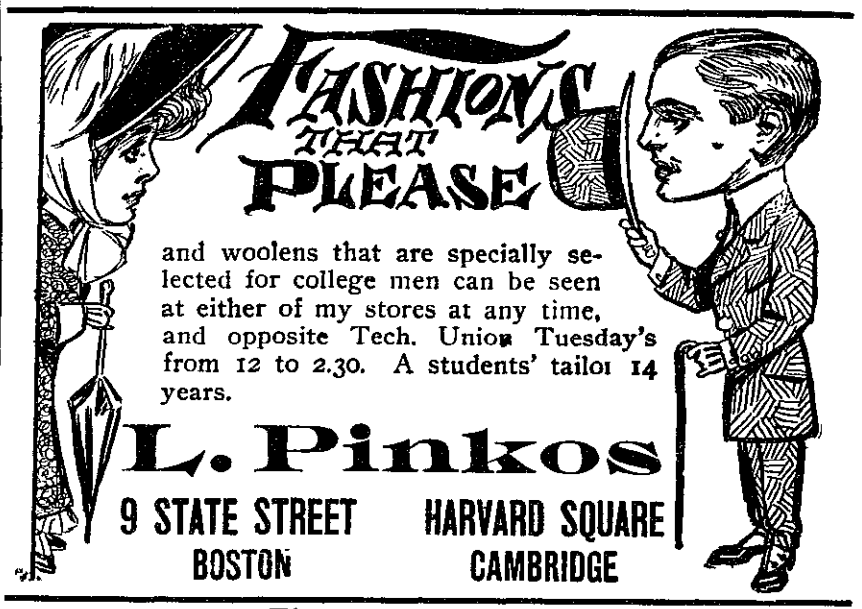

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IMPORTANT MEASURES

(Continued from page 1.)

ng will be called by President Goodwin f the Institute Commmittee, together rith the heads of all activities of the nstitute and the business managers or reasurers of the same, next Wednesay, March 9, at 5 P. M., in room A, he Union. At this meeting the Fiance Committee will be thoroughly disussed. It is very probable that some hanges will be made in its present arangement. Inasmuch as there is so nuch dissatisfaction, the matter will ot be pushed until after this meeting.

The resignation of F. A. Dewey 1910 rom the Executive Committee was not ccepted. Mr. Dewey has been on the ommittee ex-officio as president of the lechanical Engineering Society, the erm of which closes with the annual inner next Tuesday, but inasmuch as he positions on the Executive Committee can be filled from the student body t large it was thought advisable to let im continue in that office. The resignaion of C. P. Kerr 1911 was accepted. Kerr is over points having six for Tech how principal and five for the Institute Committee.

The Musical Clubs presented through Manager W. W. Warner 1911, a request or the lowering of the rating of all of heir officers by two points. Also the equest was made that the members be ated at four points instead of five as t present. These suggestions were not ccepted by the Committee on the round that the reason given for the atter was that two members wished to e able to be Tech Show principals and t the same time be on the Musical lubs. There is no apparent reason why he Musical Clubs should be allowed his privilege any more than the many ther societies desiring the same change or an exactly similar reason.

The sub-committee in charge of the nstitution amendment business reorted that of the classes the seniors nd freshmen had acepted the proposed easures, the juniors had not accepted hem as proposed by the Institute Comittee, and that a meeting of the sophoores would be called shortly to conider these measures which had been vorably acted upon by the class directors. A full list of the various acons taken by the organizations will be ublished the first of next week.

E. H. S. CLUB DINNER

(Continued from page 1.)

ners of the E. H. S. Club and that the secretary here should keep the men in High School posted on the work at the Institute by means ofi nserts in the "E. H. S. Record." These motions were received with great enthusiasm by the men.

A. J. Lennon 1912, then brought up the question of honorary members, and Mr. Humphreys and Mr. Tower were voted in as such.

Another topic that brought forth considerable discussion was the proposal of L. N. Downs, Jr. 1910, that once a week the men should meet at noon and have a table reserved in the Union. This was unanimously approved, and it was agreed that C. J. Sittinger 1910, should make arrangements with Steward Colton to reserve a table Thursday noons. All E. H. S. men are expected to dine there. It was further proposed that in order to make the club more efficient, meetings shall be held once a month instead of twice a year.

The recommendations of the Institute Committee, which are before all the organizations of the Institue, were brought up and accepted. Mr. Humphreys took occasion to say that he was very glad the club had supported the committee in this matter. He stated that the committee in its relation to student government is of national repute, and that the E. H. S. Club would strengthen itself by its action.

The meeting was adjourned at 9.30 until next Thursday, and in the meantime nominations for officers signed by five members are to be handed in.

A paper called the Germ, was recently published by the women students at Northwestern who were under quarantine last week.

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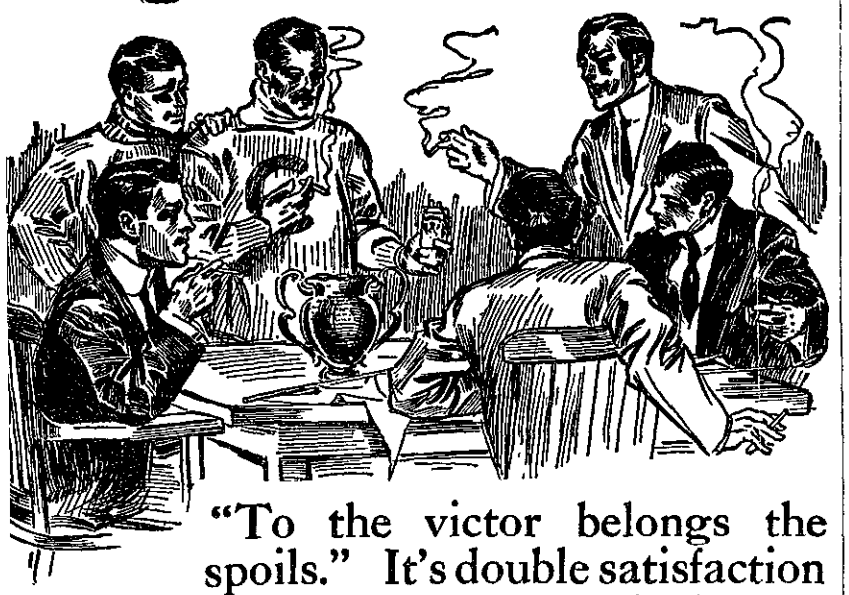

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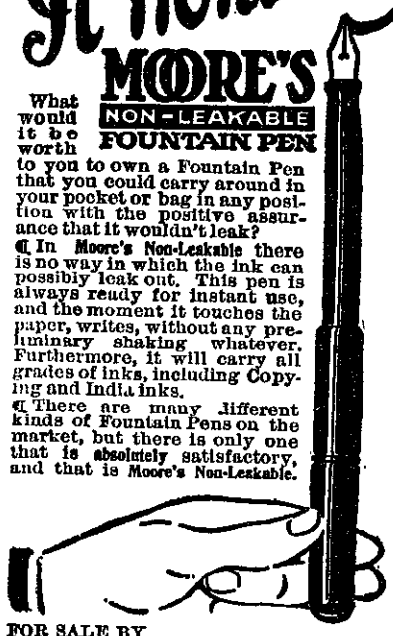

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NOTICES

FRENCH COLLOQUIUM B.

Exercises in this subject will be held hereafter from 12 to 1 instead of from 11 to 12, on Thursday; otherwise as heretofore.

GERMAN II.

Commencing Monday, the 21st, Section 18 will recite to Dr. Kurrelmeyer in Room 30 Lowell, otherwise as heretofore; and Section 8 to Professor Vogel in Room 30 Lowell as follows:
Tuesday, 12-1.
Wednesday, 12-1.
Friday, 10-11.

LOST.

One drawing set. Finder please leave note at Cage for Althouse.

From the Naval Architectural Drawing Room without card, a twenty-inch duplex slide rule belonging to the Department. Please return and have recorded.

MILITARY BALL.

All men who had tickets out for the military ball are requested to make returns at once.

1913 RELAY.

Fifteen of the following men will be picked to go to Lowell next Saturday night: Morcon, Trull, Thompson, Burnham, Mattson, Sampson, Bylund, Munch, Milliken, Brett, Bonney, Hamilton, McLeod, Fallon, Rankin and Cairns. Everybody out for practice.
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TALK BY MR. WHITAKER

(Continued from page 1.)

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The second of this series of lectures will be delivered this afternoon at 4.15 P. M. in 23 Walker. The talks are not only for the students in chemistry, but for all men at the Institute who are interested.

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